

CORD Algebra 2

Has engaging lessons that address different learning styles to help ALL students learn Algebra 2. Uses hands-on lessons and labs to improve math content comprehension. Uses the graphing calculator throughout the textbook.

Contract Price

\$66.97

Grade

10,11,12

TYPE

P1

Teacher Edition	
Essential Items	
Ancillary Items	
Free with Purchase items	
9781578374212 Chapter Resource Book	\$90.97
1 per 25 student texts purchased	
9781578374229 Lab Data Sheets	\$59.97
1 per 25 student texts purchased	
9781578374236 Software Generated Assessment	\$186.97
1 per school	
9781578374243 Teacher's Ancillaries on CD-ROM	\$165.97
Can be substituted for the hard copies of the teacher resources	
Student textbook online	
free with purchase of student texts	

Copyright

2008

Author

CORD

Edition

1st

Content

Algebra 2

ReadabilityAccessibility

Nimas

Research

CORD
Communications,
Waco, TX

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN	9781578374199	Publisher -	CORD Communications
	CORD Algebra 2			
	Type - P1	Author - CORD		
	Copyright - 2008	Edition - 1st	Readability -	
	Course - Algebra 2		Grade(s) - 10,11,12	
	Teacher Edition ISBN if applicable 9781578374205			

Overall Recommendation:

Recommended as BASAL

Overall Strengths, Weaknesses, Comments:

if this box is not checked, the evaluators have
chosen NOT recommend as basal

All relevant content is addressed. There is differentiation in instruction and in assessment. The teacher edition is user friendly and provides clear objectives and extra resources. There is no step-by-step explanation for problem-solving. The graphing calculator can be used, but there is no instruction provided and no screen shots in the student or teacher edition.

NIMAC Accessibility	N	
Ancillary	Yes	
Free with Purchase	Yes	
Research	Yes	CORD Communications, Waco, TX

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CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:

- | | |
|-------------------------------------|-------------------|
| a) Number Properties and Operations | Strong Evidence |
| b) Measurement | Moderate Evidence |
| c) Geometry | Not Applicable |
| d) Data Analysis and Probability | Moderate Evidence |
| e) Algebraic Thinking | Strong Evidence |

2) Addresses content-specific enduring understandings from the related Program of Studies standards.

Strong Evidence

3) Addresses content-specific skills and concepts from the related Program of Studies standards.

Strong Evidence

4) Content addressed is current, relevant and non-trivial	Moderate Evidence
5) Provides opportunities for critical thinking/reasoning	Strong Evidence
6) Strengths, Weaknesses, Comments: <ul style="list-style-type: none"> • Specific strengths-which areas/concepts are covered exceptionally well? • Specific weaknesses-which areas/concepts would likely require supplementing? <p>There is no data analysis included. The examples do not use real-life data, however they are applicable to students. At the end of each lesson there is a bank of discussion questions that require critical thinking. The content for Algebra 2 is covered in full.</p>	

B. Functionality & Suitability	Moderate Evidence
1) Suitability	Strong Evidence
<ul style="list-style-type: none"> • Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. 	
2) Content quality	Moderate Evidence
<ul style="list-style-type: none"> • Free from factual errors • Content is presented conceptually when possible—more than a mere collection of facts • Content included accurately represents the knowledge base of the discipline • Theories/scientific models contained represent a broad consensus of the scientific community • Interconnections among mathematical topics 	
3) Connections to Literacy	Strong Evidence
<ul style="list-style-type: none"> • Employs a variety of reading levels and is grade/level appropriate • Use of multiple representations-concrete, visual/spatial, graphs, charts, etc. • Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. • Student text provides opportunity to integrate reading and writing • Uses vocabulary that is age and content appropriate • Focuses on critical vocabulary vs. extensive lists • Identifies key vocabulary through definitions in both text and glossary • The text is engaging and facilitates learning • Embedded activities enhance the understanding of the text <p><i>Note: may apply to either student or teacher editions</i></p>	
4) Connections to Technology	Little or No Evidence
<ul style="list-style-type: none"> • Integrates technology and reflects the impact of technological advances • Uses technology in the collection and/or manipulation of authentic data • Embeds web links as a mathematics resource. 	
5) Support for Diverse Learners	Moderate Evidence
<ul style="list-style-type: none"> • Provides support for ESL students 	

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- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Information appears more factual than conceptual. For example, there is no proof of the quadratic formula or explanation of its origin. The reading level is age appropriate. There are many connections to different subjects. Critical vocabulary is provided. There is an entire section of mathematical application at the end of each chapter that can be used throughout the chapter. There are no instructions for students or teachers for the use of technology with the lessons. No ESL help is provided. There is differentiated instructional techniques and enriching material for advanced students.

C. Supports Inquiry and Skill Development	Moderate Evidence
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1) Promotes Inquiry, research and Application of Learning

Moderate Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skill Development

Moderate Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Low level of inquiry and higher-order questions. Students are not asked to think critically, predict, or extend ideas. There are many applications provided.

D. Supports Best Practices of Teaching and Learning

Strong Evidence

1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
 - Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
 - Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
 - Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
 - Activities are truly congruent to the concepts addressed, not merely correlated
- Note: may apply to either teacher or student edition*

2) Uses Assessment to Inform Instruction

Strong Evidence

- Includes multiple means of assessment as an integral part of instruction
 - Provides evaluation measures in the teacher edition that supports differentiated learning activities
 - Embedded assessments reflect a variety of Depth of Knowledge levels
- Note: may apply to either teacher or student edition*

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

Has multiple assessments (both formative and summative). Multiple levels of questioning are present in the assessments. The assessments support differentiated learning activities.

E. Has an Organization/ Format that Supports Learning and Teaching

Moderate Evidence

1) Organizational Quality

Moderate Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.

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- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The objectives are clearly stated, and multiple level heading is used for clarity. There is not use of various forms of media in any resources. There is not a clear explanation for many of the examples given. Step-by-step problem-solving does not include reasons for each step.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Moderate Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Ancillaries are available in print and on CD. The assessment CD provides bimodal, multiple choice, and short answer questions. There are no open-response or essay questions. However, these can manually be created. Reteaching and extra practice are contained in the chapter resource book. Lab activity book provides ready-made charts to go with activities in the book.
